

UNITED STATES GOVERNMENT
memorandum

DATE: August 10, 1982

REPLY TO
ATTN OF: Donald R. Johnson, Tract Coordinator

SUBJECT: U-a/U-b Tract Coordination Meeting of July 28, 1982

TO: Tracts U-a/U-b Coordination Meeting File

RECEIVED

AUG 16 1982

DIVISION OF
OIL, GAS & MINING

The coordination meeting began at 9:00 a.m. at the WRSOC office in Vernal Utah. Attendees at the meeting were:

Jim Godlove	WRSOC, Salt Lake City	Dean Evans	BLM, Vernal
James Goff	" Vernal	Daniel Grenard	" "
Steve Byers	R. M. Parsons, Pasadena	Glen Anderson	USGS, Vernal
Don Johnson	MMS-OSO, G. Jct.	Merrill Mecham	Uintah Co. Cmsrs
Bob Elderkin	" "		
John Miley	" "		

1. Accomplishments for July.

The interim mining permit from the Utah Division of Oil, Gas, and Mining was received. Road construction is essentially on schedule; however, there may be some delay on the asphalt work. The county road is either on schedule or slightly ahead of schedule. Milestones on the White River bridge have been met. Caissons have been drilled and cast on the south end of the bridge and work on caissons on the north end is in progress.

The RV camp is occupied with 13 trailers and the sewer system has been approved. The water system was tentatively approved by the Uintah Basin Health Department.

A building permit for the mine services building was issued.

The runoff holding dam is to be about 350 acre feet and about 60 to 65 feet high. The dam is required to be impervious, but because of its size, several alternative designs are being considered. One design under consideration is a grout curtain to bedrock with no impermeable liner. The main question is effectiveness of the western embankment as an impervious member of the structure. This design would include monitoring facilities to ensure that no impounded water reaches the White River.

Union Oil has licensed their retorting process with WRSOC.

2. Planned Actions for August.

Road work will continue. Surface work for the mine services building and the mine access road will begin with removal of topsoil-like material to an area NE of the mine services building.

3. Status of Permits.

The Permits/Approvals Table is included as Appendix A. New items added are numbers 27 through 33. The Interim Mining Permit from the Utah Division of Oil, Gas, and Mining allows 30 acres of disturbance including site development work such as the road to the portal and surface development at the portal. A public comment period for the mining permit is in effect for 30 days, ending on August 26, 1982. This permit will be for full Phase I for 635 acres. Bonding will be in three increments to eventually total \$15 million.

4. Status of Socioeconomic Program.

A copy of the current WRSOC report is included as Appendix B. Tract employment has increased from 40 to 46 since June.

5. Environmental Monitoring

A copy of the environmental monitoring report for July is included as Appendix C. The plant stress studies included IR overflights in June followed by ground truthing in July.

6. Future Action Items.

WRSOC will submit an amended mining plan to the OSO in September. This plan will require approval by the OSO.

11. Items of Interest or Concern.

No special items were addressed at this meeting.

13. Next meeting.

The next meeting will include a tour of the tract beginning at 8:30 a.m. We will meet at the WRSOC office trailers near Bonanza to begin the tour. There will be a brief meeting at the trailers after the tour.

cc w/atch: Jim Godlove
James Goff
Steve Byers
Bert Ferber
Dean Evans
Daniel Grenard
Bob Gilbert
Jim Munson
Merrill Mecham
Glen Anderson
Chuck Henderson

WRSOC, SLC
" Vernal
Parsons, Pasedena
" Vernal
BLM, Vernal
" "
WRSOC
USF&WS
UC Commissioners
WRD
Uintah County Courthouse

TABLE 1

Permits/Approvals Acquired as of 7-27-82

1. Core Drilling TUP-BLM (8/24/81)
2. Authorization to Drill (shaft core drilling) - Utah Division of Oil, Gas, and Mining (9/15/81)
3. Authorization to Investigate (shaft core drilling) - Utah Division of Water Rights (9/24/81)
4. Endangered Species Biological Assessment/Clearance - USFWS (9/15/81)
5. Temporary Application to Appropriate Water (shaft core drilling) - Utah Division of Water Rights (10/21/81)
6. Approval for Tract Access Road Roadbed Width - Oil Shale Office (10/26/81)
7. Raw Shale Storage TUP-BLM (11/2/81)
8. Authorization for a Test Well (alluvial well exploration) - Utah Division of Water Rights (2/26/82) - verbal authorization.
9. Temporary Application to Appropriate Water (alluvial well exploration) - Utah Division of Water Rights (2/26/82) - verbal approval
10. NPDES Exemption (alluvial well exploration) - EPA (2/26/82) - verbal approval
11. Construction Permit (alluvial well exploration) - Utah Bureau of Water Pollution Control (2/16/82)
12. Geotechnical Shaft Coring Status Report - Utah Division of Oil, Gas, and Mining (1/28/82)
13. DDP - OSO (3/2/82)
14. Tract Access Road - OSO notification (3/15/82)
15. Tract Access Road - UBAQ notification (3/16/82)
16. Alluvial Well Exploration Plan - OSO (3/22/82)
17. Temporary Application to Appropriate Water (site geotechnical coring and tract access road) - Utah Division of Water Rights (4/2/82)

18. Interim Construction Camp - Uintah County notification (4/8/82)
19. Interim Construction Camp - OSO approval (4/19/82)
20. Site Geotechnical Investigation - OSO approval (4/23/82)
21. Off-tract Geotechnical Investigation - BLM TUP (4/28/82)
22. Archaeological Clearance for Site 42UN407 - OSO, BLM, Utah Division of State History (4/29/82)
23. Use of P-1 Holding Pond for Access Road Construction Water - Verbal approval from Utah Division of Water Rights (5/6/82), Utah Bureau of Water Pollution Control approval (5/6/82), OSO approval (5/11/82)
24. Mine Decline Transfer Point Test Core - OSO Approval (6/8/82) and Utah Division of Oil, Gas and Mining Approval (6/8/82)
25. Exploratory Drilling in Hell's Hole Canyon - Utah Division of Oil, Gas and Mining Approval of Letter of Intention to Commence Exploratory Drilling (6/8/82)
26. Temporary Application to appropriate water (250 acre-feet, for Phase I construction activities) - Utah Division of Water Rights (6/14/82)
27. OSO Approval for 25,000 yards of borrow for tract access road (7/14/82)
28. Interim Approval for mine related site prep associated with mine access road, production decline and related shaft areas, and mine services building - Utah Division of Oil Gas and Mining (7/8/82)
29. Uintah Basin Health Dept. approval of Interim RV Camp sewage system (verbal approval on 7/14/82, written approval not yet received)
30. OSO approval to proceed with mine related site prep as sought in WRSOC's 5/24/82 letter (verbal approval 7/16/82)
31. Mine Services Building - OSO notification (7/15/82)

32. Approval to proceed with production well program (i.e., 404 permit not required) from U. S. Army Corps of Engineers (site visit and subsequent verbal approval on July 22, 1982)
33. Mine services building - plan approval from Uintah County Zoning Office (7/26/82)

TABLE 2

Permit Application/Approval Request/Plans Submitted to Cognizant Agency as of 7-27-82

1. Deleted: PSD - EPA (submitted 8/28/82; completeness notification 10/8/81)
2. PSD - Utah Bureau of Air Quality (submitted 8/27/81; expected 7/1/82)
3. Deleted: County Building Permit for Access Road (submitted 3/22/82)
4. Mining Permit - Utah Division of Oil, Gas and Mining (5/4/82)
5. OSO Approval for Project Schedule
6. UBAQ Approval to begin Access Road Paving without PSD Permit (requested 5/24/82)
7. Temporary Use Permit for access to water diversion point - BLM (submitted 7/15/82)

TABLE 3

Permit Applications/Approval Requests/Plans in Preparation
as of July 27, 1982
(submittal date)

General:

1. Archaeological Sites Assessment - Utah Bureau of State History

Mine Services Building:

1. SPCC - Construction Plan*
2. Explosive Permit - Surface* (if needed)
3. Public Water Facility (August 15, 1982)
4. OSO Approval - Sanitary WWT (September 1, 1982)
5. Utah Bureau of Water Pollution Control - Construction Permit for Sanitary WWT (September 1, 1982)

Retention Pond and Dam:

1. Right-of-Way Application (August 15, 1982)
2. State Engineer's Approval to Construct (September 15, 1982)
3. Utah Bureau of Water Pollution Control Construction Permit (September 1, 1982)
4. OSO Approval (September 1, 1982)
5. Water Appropriation for Runoff - Utah Department of Water Resources (September 1, 1982)

Mine:

1. Construction Permit - Mine Dewatering Facility (Sept. 1, 1982)
2. Mine Operations Commencement (August 1, 1982)
3. Mine Legal Identity (August 1, 1982)
4. Mine Related DDP Update to OSO (September 15, 1982)

Construction Camp - Module 1:

1. OSO Approval (August 15, 1982)
2. County Conditional Use Permit (August 15, 1982)

Interim Construction Camp (RV Camp):

1. Approval for Potable Water System from Utah Bureau of Public Water Supply (July 30, 1982)

Production Water Wells:

1. Permit to Drill (August 15, 1982)
2. OSO Approval (August 9, 1982)
3. Negotiate land purchase from Mr. Pickup (begin August 2, 1982)

Miscellaneous:

1. Solid Waste Disposal Plan
2. Power Generation Air Emissions (preliminary calculations completed July 26, 1982)
3. Permitting requirements associated with aquifer pump test
4. Borrow locations for Phase I construction and related permits

*By Subcontractor - Monitor by Parsons/WRSOC

Table 1

WRSP EMPLOYEE MONITORING DATA
SUMMARY
July 15, 1982

		%				%	
A. GENERAL							
Permanent Employees	7						
Temporary Employees	39						
Total Current Employees	46						
Terminated Employees	2						
B. AGE							
18-25	17	37	41-45	6	13		
26-30	8	17	46-50	3	6		
31-35	5	11	51-55	1	2		
36-40	4	9	Over 56	2	4		
Median Age: 29 Yrs.							
C. MARITAL STATUS							
Single	14	30					
Married	32	70					
	46	100					
Single Status	29	63					
D. LOCATION OF RESIDENCE							
On-Site	10	22	Maeser	0	0		
Vernal	25	54	Rangely	3	7		
Jensen	2	4	Dinosaur	4	9		
Naples	2	4	Other	0	0		
Totals	46	100					
E. ACTUAL HOUSING							
Single Family Home	8	17	Construction Camp				
Condominium/Apartment	4	9	Bachelor Quarters	1	2		
Mobile Home	9	20	Motel/Hotel	0	0		
Recreational Vehicle	21	46	Other	3	6		
Totals	46	100					
F. PREFERRED HOUSING							
Single Family Home	10	22	Construction Camp				
Condominium/Apartment	3	7	Bachelor Quarters	2	4		
Mobile Home	6	13	Motel/Hotel	0	0		
Recreational Vehicle	5	11	Other	1	2		
			No Response	19	41		
Totals	46	100					
G. WORKFORCE							
Local	15	33					
Nonlocal	31	67					
	46	100					

Local Workforce	11	74
Vernal	2	13
Naples	2	13
Rangely	2	13
	13	100

Nonlocal Workforce		
Utah Counties		
Beaver	1	3
Davis	1	3
Iron	1	3
Sanpete	2	6
Sevier	8	21
Uintah	1	3
Utah	1	3
Washington	4	13
Wayne	1	3
Wyoming	1	3
Idaho	1	3
Arizona	1	3
Colorado	3	11
Oregon	1	3
California	3	11
No Response	1	4
	31	100

I. RECREATION			
Hunting	24		
Fishing	26		
Boating	2		
Rodeo	1		
Camping		6	
Hiking		3	
Other		33	

J. EMPLOYEES' CHILDREN PRESENT, BY AGE

0-2 Years	7	27
3-5 Years	4	13
6-11 Years	10	38
12-17 Years	5	20
	26	100

Median Age: 6 Yrs.

K. INFORMATION ON SPOUSE

Employed	7	22
Looking for Work	5	13
Not Seeking Employment	8	25
Spouse Not in Area	13	40
	31	100

L. PLANS TO MOVE FAMILY TO AREA

Yes	9	29
No	22	71
	31	100

M. JOB TITLE

Boilermaker	0	0	Pipefitter	0	
Millwright	0	0	Iron Worker	0	0
Carpenter	0	0	Supervisor	2	5
Miner	0	0	Laborer	13	28
Cement Finisher	0	0	Truck Driver	4	9
Operator	13	28	Maintenance	0	0
Electrician	0	0	Welder	0	0
Painter	0	0	Administrative/Security	1	2
Insulator	0	0	Other	13	28

Totals 46 100

N. TRAVEL TO WORK

Private Auto	33	76
Car Pool	6	13
Other	3	11
	46	100

O. COMMUTE TO PERMANENT HOME

Daily	14	30
Weekly	22	48
Monthly or Less	10	22
	46	100

WHITE RIVER SHALE PROJECTENVIRONMENTAL MONITORING

July 1982

AIR RESOURCES

- o Systems audit for third quarter conducted by AeroVironment
- o A-4 and A-10 stations fully operational
- o Routine monitoring

VEGETATION

- o Ground verification of plant stress overflight conducted
- o Laboratory analyses of June samples
- o Soil microbiology samples collected

AQUATIC BIOLOGY

- o Routine monitoring with emphasis upon the importance of riffle transects over pool transects

TERRESTRIAL WILDLIFE

- o Routine monitoring for foliage invertebrates

WATER RESOURCES

- o Routine monitoring
- o Evacuation Creek water quality sample taken
- o G-11 well stem will not need to be extended

PLANNED ACTIVITIES FOR AUGUST

- o Routine Monitoring